



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Brian G. Johnson

Serial No.: 10/633,874

Filed: August 4, 2003

For: Lateral Phase Change Memory

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

§ Group Art Unit:

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§ Atty. Dkt. No.: ITO.0047US (P16202)

Examiner:

INFORMATION DISCLOSURE STATEMENT

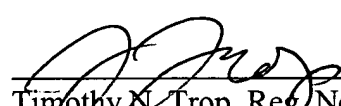
Dear Sir:

Applicant submits the references listed on the attached form PTO 1449 together with any required copies of such references.

This statement is being filed before the receipt of a first Office action on the merits.  
Please apply any charges or credits to Deposit Account 20-1504 (ITO.0047US).

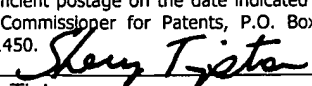
Respectfully submitted,

Date: 11/5/03

  
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Date of Deposit: November 5, 2003

I hereby certify under 37 CFR 1.8(a) that this correspondence is being deposited with the United States Postal Service as **first class mail** with sufficient postage on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
Sherry Tipton



# **INFORMATION DISCLOSURE CITATION**

(Use several sheets if necessary)

ATTY DOCKET NO.

ITO.0047US (P16202)

SERIAL NO.

10/633,874

APPLICANT(S):

BRIAN G. JOHNSON

FILING DATE:

August 4, 2003

GROUP ART UNIT:

## **U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A.	5,166,758	11/24/1992	OVSHINSKY ET AL.	257	3	
	B.						
	C.						
	D.						

## **FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	E.							
	F.							
	G.							

## **OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	H.	Hwang, Y.N., Hong, J.S., Lee, S.H., Ahn, S.J., Jeong, G.T., Koh, G.H., Kim, H.J., Jeong, W.C., Lee, S.Y., Park, J.H., Ryoo, K.C., Horii, H., Ha, Y.H., Yi, J.H., Cho, W.Y., Kim, Y.T., Lee, K.H., Joo, S.H., Park, S.O., Jeong, U.I., Jeong, H.S. and Kim, Kinam, "Completely CMOS-Compatible Phase-Change Nonvolatile RAM Using NMOS Cell Transistors," presented at 2003 19 <sup>th</sup> IEEE Non-Volatile Semiconductor Memory Workshop, Monterey, California, February 26-20, 2003
	I.	Ha, Y.H., Yi, J.H., Horii, H., Park, J.H., Joo, S.H., Park, S.O., Chung, U-In and Moon, J.T., "An Edge Contact Type Cell for Phase Change RAM Featuring Very Low Power Consumption," presented at IEEE 2003 Symposium on VLSI Technology, Kyoto, Japan, June 12-14, 2003
	J.	Hwang, Y.N., Hong, J.S., Lee, S.H., Ahn, S.J., Jeong, G.T., Koh, G.H., Oh, J.H., Kim, H.J., Jeong, W.C., Lee, S.Y., Park, J.H., Ryoo, K.C., Horii, H., Ha, Y.H., Yi, J.H., Cho, W.Y., Kim, Y.T., Lee, K.H., Joo, S.H., Park, S.O., Chung, U.I., Jeong, H.S. and Kim, Kinam, "Full Integration and Reliability Evaluation of Phase-change RAM Based on 0.24 mm-CMOS Technologies," presented at IEEE 2003 Symposium on VLSI Technology, Kyoto, Japan, June 12-14, 2003
	K.	Horii, H., Yi, J.H., Park, J.H., Ha, Y.H., Baek, I.G., Park, S.O., Hwang, Y.N., Lee, S.H., Kim, Y.T., Lee, K.H., Chung, U-In and Moon, J.T., "A Novel Cell Technology Using N-doped GeSbTe Films for Phase Change RAM," presented at IEEE 2003 Symposium on VLSI Technology, Kyoto, Japan, June 12-14, 2003
	L.	Wicker, G.C., "Phase Change Memory and Method Therefor", U.S. Patent Application Serial No. 10/318,984, filed December 13, 2002
	M.	Wicker, G.C., "Lateral Phase Change Memory and Method Therefor", U.S. Patent Application Serial No. 10/319,204, filed December 13, 2002
	N.	

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.